

DEC 1 8 2000
MAIL DATE CANCELLED
PATENT & TRADEMARK OFFICE

✓ At page 18, line 8, please replace "Figure 1 illustrates" with --Figure 1A and Figure 1B illustrate--.

▷ At page 18, after line 19 and above the line beginning with "Figure 5", please insert --Figure 5 is an example of DNA colonies formed by amplification of a specific template with single primers grafted onto a surface.--

✓ At page 18, line 20 (the line beginning with "Figure 5"), please replace "Figure 5 illustrates" with --Figure 6A and Figure 6B illustrate--.

✓ At page 18, line 23 (the line beginning with "Figure 6"), please replace "Figure 6" with --Figure 7--.

✓ At page 18, after line 24 and above the line beginning with "Figure 7", please insert --Figure 8 shows actual DNA colonies produced via the present invention.--

✓ At page 18, line 25 (the line beginning with "Figure 7"), please replace "Figure 7 illustrates" with --Figure 9A and Figure 9B illustrate--.

✓ At page 19, line 1, please replace "Figure 8 illustrates" with --Figure 10A and Figure 10B illustrate--.

✓ At page 19, line 5, please replace "Figure 9 shows" with --Figure 11A and Figure 11B show--.

✓ At page 19, line 7 (the line beginning with "Figure 10"), please replace "Figure 10 illustrates" with --Figure 12A, Figure 12B, and Figure 12C illustrate--.

✓ At page 19, line 9 (the line beginning with "Figure 11"), please replace "Figure 11 illustrates" with --Figure 13A and Figure 13B illustrate--.

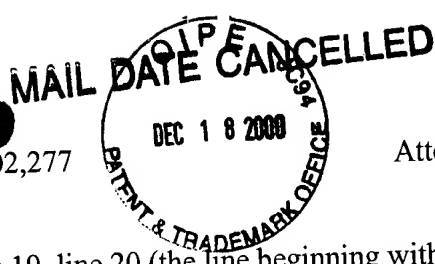
✓ At page 19, line 11 (the line beginning with "Figure 12"), please replace "Figure 12 illustrates" with --Figure 14A and Figure 14B illustrate--.

✓ At page 19, line 14 (the line beginning with "Figure 13"), please replace "Figure 13" with --Figure 15--.

✓ At page 19, line 16 (the line beginning with "Figure 14"), please replace "Figure 14" with --Figure 16--.

✓ At page 19, line 18 (the line beginning with "Figure 15"), please replace "Figure 15" with --Figure 17--.

DEC 19 2000
PATENT & TRADEMARK OFFICE



✓ At page 19, line 20 (the line beginning with "Figure 16"), please replace "Figure 16" with --Figure 18--.

✓ At page 19, line 22 (the line beginning with "Figure 17"), please replace "Figure 17" with --Figure 19--.

✓ At page 19, line 24, please replace "Figures 18 and 19 illustrates" with --Figure 20 and Figure 21 illustrate--.

✓ At page 25, line 8, please replace "Figure 4" with --Figures 4 and 5--.

✓ At page 25, line 9, please replace "(a)" with --Fig. 4--, and please replace "(b)" with --Fig. 5--.

✓ At page 25, line 13, please replace "figure 4b" with --Figure 5--.

✓ At page 26, line 4, please replace "Figure 5" with --Figures 6A and 6B--.

✓ At page 26, line 20, please replace "Figures 1f and 5f" with -- Figure 1A, (f) and Figure 6A, (f)--.

✓ At page 26, line 21, please replace "Figure 5" with --Figures 6A and 6B--.

✓ At page 28, lines 4 and 10, please replace "figure 6A" with --Figure 7--.

✓ At page 30, line 20, please replace "figure 6B" with --Figure 8--.

✓ At page 31, line 4, please replace "Figure 7 is" with --Figures 9A and 9B are--.

✓ At page 31, line 5, please replace "Figures 1 and 5" with --Figures 1A/1B and 6A/6B--.

✓ At page 31, line 13, please replace "figures 7(a) to 7(e)" with --Figure 9A, (a) to (e)--.

✓ At page 31, line 15, please replace "figures 7(f) to 7(k)" with --Figure 9A, (f) to (h) and Figure 9B, (i) to (k)--.

✓ At page 31, line 16, please replace "Figure 7(l)" with --Figure 9B, (l)--.

✓ At page 32, line 6, please replace "Figure 8 illustrates" with --Figures 10A and 10B illustrate--.

✓ At page 32, line 9, please replace "figure 8a" with --Figure 10A, (a)--.

✓ At page 32, line 14, please replace "figure 8c" with --Figure 10A, (c)--.

✓ At page 32, line 18, please replace "figure 8b" with --Figure 10A, (b)--.

✓ At page 32, line 24, please replace "figure 8d" with --Figure 10B, (d)--.

RECEIVED

DEC 28 2000

TECH CENTER 1600/290

- ✓ At page 32, line 28, please replace "figure 8e" with --Figure 10B, (e)--.
- ✓ At page 35, line 20, please replace "Figure 9" with --Figures 11A and 11B--.
- At page 36, line 10, please replace "Figure 10" with --Figures 12A, 12B and 12C--.
- ✓ At page 36, lines 11-12, please replace "figure 10a" with --Figure 12A, (a)--.
- ✓ At page 36, lines 16-17, please replace "figure 10b" with --Figure 12A, (b)--.
- ✓ At page 36, line 21, please replace "figure 10c" with --Figure 12B, (c)--.
- ✓ At page 36, line 22, please replace "figure 10" with --Figure 12B--.
- ✓ At page 36, lines 22- 23, please replace "figure 10d" with --Figure 12B, (d)--.
- ✓ At page 36, line 25, please replace "figure 10d" with --Figure 12B, (d)--.
- ✓ At page 36, lines 26-27, please replace "figure 10e" with --Figure 12B, (e)--.
- ✓ At page 36, lines 28-29, please replace "figure 10f" with --Figure 12C, (f)--.
- ✓ At page 37, line 3, please replace "figure 10g" with --Figure 12C, (g)--.
- ✓ At page 37, line 7, please replace "figure 10h" with --Figure 12C, (h)--.
- ✓ At page 37, line 12, please replace "figures 10e and 10h" with --Figure 12B, (e) and Figure 12C, (h)--.
- ✓ At page 37, line 21, please replace "Figure 11 a-e" with --Figures 13A and 13B--.
- ✓ At page 37, lines 22 and 26, please replace "figure 11a" with --Figure 13A, (a)--.
- ✓ At page 37, line 29, please replace "figure 11b" with --Figure 13A, (b)--.
- ✓ At page 37, line 31, please replace "figure 11e" with --Figure 13B, (e)--.
- ✓ At page 38, line 2, please replace "Figure 12" with --Figures 14A and 14B--.
- ✓ At page 38, line 5, please replace "Figure 12a" with --Figure 14A, (a)--.
- ✓ At page 38, line 11, please replace "Figures 12b) to 12d)" with --Figure 14A, (b) and Figure 14B, (c) and (d)--.
- ✓ At page 38, lines 17-18, please replace "figure 12b" with --Figure 14A, (b)--.
- ✓ At page 38, line 21, please replace "figure 12d" with --Figure 14B, (d)--.
- ✓ At page 40, lines 15 and 27, please replace "figure 13a" with --Figure 15, (a)--.
- ✓ At page 41, line 9, please replace "figure 13a" with --Figure 15, (a)--.

- ✓ At page 41, lines 18-19, please replace "figure 13b" with --Figure 15, (b)--.
- ✓ At page 41, line 24, please replace "Figure 13b" with --Figure 15, (b)--.
- ✓ At page 42, lines 8 and 14, please replace "figure 13c" with --Figure 15, (c)--.
- ✓ At page 42, lines 19 and 27, please replace "figure 13d" with --Figure 15, (d)--.
- ✓ At page 46, line 14, please replace "figure 16c" with --Figure 12B, (c)--.
- ✓ At page 46, lines 21-22, please replace "figure 10f" with --Figure 12C, (f)--.
- ✓ At page 48, line 3, please replace "figure 14" with --Figure 16--.
- ✓ At page 48, lines 10 and 16, please replace "figure 14a" with --Figure 16, (a)--.
- ✓ At page 48, line 19, please replace "figure 14b" with --Figure 16, (b)--.
- ✓ At page 48, lines 22 and 23, please replace "figure 14c" with --Figure 16, (c)--.
- ✓ At page 48, line 25, please replace "figure 14d" with --Figure 16, (d)--.
- ✓ At page 51, line 24, please replace "Figure 16d" with --Figure 16, (d)--.
- ✓ At page 51, line 31, please replace "Figure 19" with --Figure 18--.
- ✓ At page 63, line 14, please replace "16" with --18--.
- ✓ At page 63, line 18, please replace "figure 16a" with --Figure 18, (a)--.
- ✓ At page 63, lines 21-22, please replace "figure 16b" with --Figure 18, (b)--.
- ✓ At page 63, line 23, please replace "figure 16c" with --Figure 18, (c)--.
- ✓ At page 63, line 25, please replace "figure 16d" with --Figure 18, (d)--.
- ✓ At page 63, line 27, please replace "figure 16e" with --Figure 18, (e)--.
- ✓ At page 64, lines 4 and 10, please replace "figure 17" with --Figure 19--.
- ✓ At page 64, lines 17-18, please replace "figure 17a" with --Figure 19, (a)--.
- ✓ At page 64, lines 18 and 21, please replace "figure 17b" with --Figure 19, (b)--.
- ✓ At page 64, line 27, please replace "figure 17c" with --Figure 19, (c)--.
- ✓ At page 65, line 8, please replace "figure 17c" with --Figure 19, (c)--.
- ✓ At page 65, line 11, please replace "figure 17d" with --Figure 19, (d)--.
- ✓ At page 67, line 14, please replace "figure 18" with --Figure 20--.
- ✓ At page 67, lines 15 and 22, please replace "figure 18a" with --Figure 20, (a)--.
- ✓ At page 68, lines 2- 3, please replace "figure 18a" with --Figure 20, (a)--.
- ✓ At page 68, line 5, please replace "figure 21b" with --Figure 20, (b)--.
- ✓ At page 68, line 13, please replace "figure 18c" with --Figure 20, (c)--.

- ✓ At page 68, line 23, please replace "figure 18d" with --Figure 20, (d)--.
- ✓ At page 69, line 4, please replace "figure 18e" with --Figure 20, (e)--.
- ✓ At page 69, line 14, please replace "figure 19" with --Figure 21--.
- ✓ At page 69, line 17, please replace "figure 18" with --Figure 20--.
- ✓ At page 69, last two lines, please replace "figure 19f" with --Figure 21, (f)--.

IN THE CLAIMS:

Please amend claims 1-5, 11-15, 17-19, 27-30, 59, 61, and 65 as follows. All pending claims unamended herewith have been reproduced in small type for ease of reference.

- 1 (Amended) A method of nucleic acid amplification, comprising the
- 2 steps
- 3 [A.]A providing a plurality of primers that are [immobilised] immobilized but
- 4 that have one end exposed to allow primer extension;
- 5 [B.]B allowing a single stranded target nucleic acid molecule to anneal to one
- 6 of said plurality of primers over part of the length of said single stranded
- 7 nucleic acid molecule and then extending that primer using the annealed
- 8 single stranded nucleic acid molecule as a template, so as to provide an
- 9 extended [immobilised] immobilized nucleic acid strand;
- 10 [C.]C separating the target nucleic molecule from the extended [immobilised]
- 11 immobilized nucleic acid strand;
- 12 [D.]D allowing the extended [immobilised] immobilized nucleic acid strand to
- 13 anneal to one of said plurality of primers referred to in step A) and then
- 14 extending that primer using the extended [immobilised] immobilized
- 15 nucleic acid strand as a template, so as to provide another extended
- 16 [immobilised] immobilized nucleic acid strand; and optionally,
- 17 [E.]E separating the annealed extended [immobilised] immobilized nucleic
- 18 acid strands from one another.
- 1 2. (Amended) A method according to claim 1, further comprising:

Sub E1

B

Correct

A